

A142 0009

**Bechtel**

50 Beale Street  
San Francisco, CA 94105-1895  
Mailing address: P.O. Box 193965  
San Francisco, CA 94119-3965

5/20

**Memorandum**

**To:** Michael Bellot, EPA Region IX  
**Thru:** Sandra Carroll  
**Subject:** Completed Work  
**Date:** May 16, 1994  
**cc:** Michele Dermer, BEI ARCS

Attached is the following completed document:

PA \_\_\_\_\_ SI \_\_\_\_\_ Other \_\_\_\_\_ Site Inspection Prioritization

Site Name: J & E MachineEPA ID: CAD 041473216 1323City, County, State: Scotts Valley, Santa Cruz County, Calif.

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**For EPA Use Only**

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Latitude: 37° 3' 42.0" N Longitude: 122° 0' 19.0" W

CERCLIS Changes: \_\_\_\_\_

EPA Further Action Determination: SIP Complete NFA  
(SIP-SP = C3101)Lead Agency: FSign-Off Date: 11-2-94Initials of Work Assignment Manager: SAM DDBDocument Screening Coordinator: Jm 11/2/94Chief, Site Evaluation and Grants Section: ph for JM 11/2/94**Bechtel Environmental, Inc.**N.H.  
11/02/94

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## FINAL EPA File Copy

### Site Inspection Prioritization

**Site:** J & E Machine  
5998 Butler Lane  
Scotts Valley, CA 95066

**Site EPA ID Number:** CAD 041473216

**Work Assignment Number:** 60-32-9JZZ, ARCSWEST Program

**Submitted to:** Michael Bellot  
Site Assessment Manager  
EPA Region IX

**Thru:** Sandra Carroll

**Date:** May 16, 1994

**Prepared by:** Heather L. McAdams *hm*

**Review and Concurrence:** Michele Dermer *MD*



**Bechtel Environmental, Inc.**

## 1.0 INTRODUCTION

The U.S. Environmental Protection Agency (EPA), Region IX, under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and the Superfund Amendments and Reauthorization Act of 1986 (SARA), has tasked Bechtel Environmental, Inc. (BEI) to conduct a site inspection prioritization (SIP) of the J & E Machine site in Scotts Valley, Santa Cruz County, Calif., using the EPA's Hazard Ranking System (HRS) criteria. The HRS assesses the relative threat associated with actual or potential releases of hazardous substances at the site. The HRS has been adopted by the EPA to help set priorities for further evaluation and eventual remedial action at hazardous waste sites. The HRS is the primary method of determining a site's eligibility for placement on the National Priorities List (NPL). The NPL identifies sites at which the EPA may conduct remedial response actions. This report summarizes the results of the SIP of the J & E Machine site.

The J & E Machine site is located at 5998 Butler Lane in Scotts Valley, Calif. The geographic coordinates for the site are 37° 3' 42.0" N latitude and 122° 0' 19.0" W longitude (Township 10 South, Range 1 West, Mt. Diablo Baseline and Meridian, Felton, Calif., 7.5-minute quadrangle (1). The location of the site is shown in Figure 1-1.

The J & E Machine site was identified as a potential hazardous waste site and entered into the Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) on July 1, 1985 (CAD 041473216) (2). A site inspection (SI) was completed on October 1, 1985 by Ecology and Environment, Inc. (3). A screening SI reassessment was completed on November 8, 1989 by Ecology and Environment, Inc. (4).

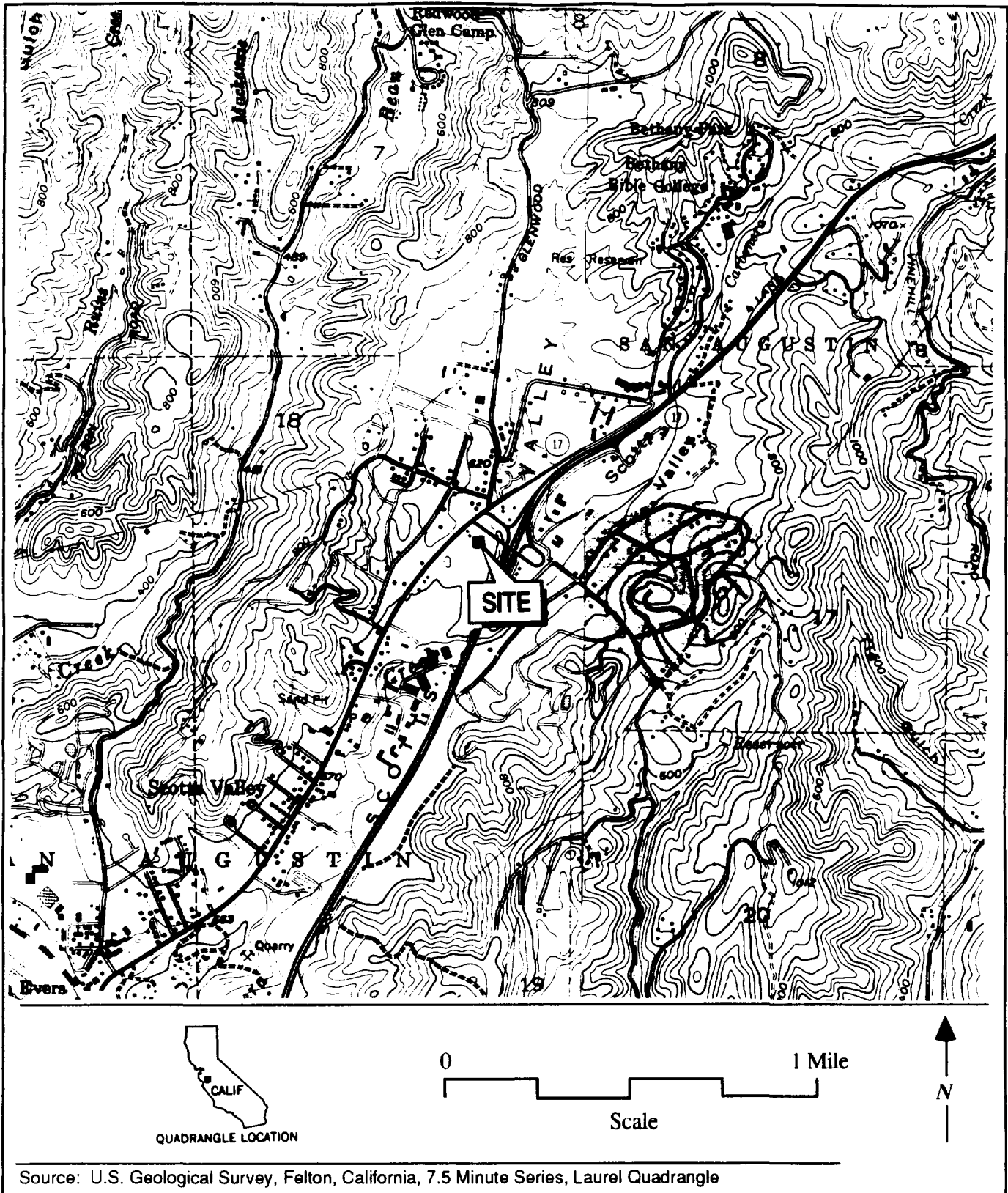
### 1.1 Apparent Problem

The apparent problem at the site is as follows:

- J & E Machine disposed of sink and sump waste through unpermitted discharges to West Carbonera Creek, as was noted during an August 1984 inspection of the site by a representative of the California Regional Water Quality Control Board [currently known as the California Environmental Protection Agency, Regional Water Quality Control Board (RWQCB)], Central Coast Region (5). Also discovered during the inspection were several barrels of sludge stored on site, reportedly containing waste trichloroethylene, waste trichloroethane, and waste oil (5,6).

## 2.0 SITE DESCRIPTION

The J & E Machine site occupies approximately 1 acre in a light industrial area of Scotts Valley, Calif. The entire site is paved and has one structure. The site is adjacent to West Carbonera Creek. (7) Prior to 1976, the site was undeveloped (8). J & E Machine operated on site from 1980 until 1985. From 1985 through 1990, the site was occupied by Ashland Machine. (4) From 1991 to the present, the site has been leased by Engineering Sciences, Inc., which operates a State of California smog check referee station on site (7). Investors Management Company owns the J & E Machine site property (9).



**Figure 1-1 Site Location**

J & E Machine operated on site as a machine components manufacturer. Machine components were degreased in a vapor degreaser requiring the use of 55 gallons to 110 gallons of trichloroethylene and/or trichloroethane annually. After machining, the parts were deburred and rinsed in water. (4) Both the rinsate tank and vapor degreaser were located inside the building. Prior to 1984, J & E Machine disposed of the rinsate through an unpermitted discharge to West Carbonera Creek. In 1984, J & E Machine plugged the drain from the rinsate tank and converted to a closed-cycle system. (5) Ashland Machine employed essentially the same machining processes as J & E Machine, except that no solvents were used. Instead, Ashland Machine used a mixture of Ajax® cleanser and rocks to remove metal burrs from the machined parts. Water from Ashland Machine's deburring process was then discharged into the municipal sewer system. (4)

The State of California smog check referee station currently operating on site uses carburetor cleaner to clean carburetors for inspection. Hazardous substances generated by onsite operations are limited to shop towels containing waste oil, grease, and waste carburetor cleaner. (7) Mission Uniform removes the shop towels from the site weekly (10).

Historically, potential onsite hazardous substance sources have included the rinsate tank and two 55-gallon drums of sludge containing waste trichloroethylene, waste trichloroethane, and waste oil. Currently, the only onsite hazardous substance source is a barrel approximately 10 gallons in size containing shop towels stained with waste oil, waste carburetor cleaner, and grease. (4,5,7)

### **3.0 SITE INSPECTION PRIORITIZATION CONSIDERATIONS**

There have been no documented releases of hazardous substances from the site. J & E Machine was cited by the RWQCB for improper onsite storage of hazardous substances and for unpermitted discharge to West Carbonera Creek. (5) However, since no sampling of the rinsate occurred, it is not known if hazardous substances were contained in the water that was discharged into the creek between 1980 to 1984. One hundred ten gallons of sludge containing waste trichloroethylene, waste trichloroethane, and waste oil accumulated on site from 1980 through 1984. According to the former operator of J & E Machine, any difference in the amount of raw trichloroethylene and trichloroethane delivered to the site and the amount of waste amassed on site can be accounted for by evaporation of approximately 45 gallons per year of solvents from the sludge. (6)

No sampling has been conducted on site. This site is included in the investigation of the El Pueblo Road Plume study conducted by the RWQCB and the California Environmental Protection Agency, Department of Toxic Substances Control (DTSC) (formerly known as the California Department of Health Services, Toxic Substances Control Division). (4) The El Pueblo Road Plume is part of the DTSC's Active Annual Workplan list for 1994. (11)

### **4.0 PERTINENT HAZARD RANKING SYSTEM FACTORS**

The following pertinent Hazard Ranking System factors are associated with the site:

- The groundwater migration pathway does not appear to be of concern because, although the depth to the groundwater aquifer at the site is approximately 60 feet below ground surface and a well approximately 0.5 mile downgradient of the site has been closed due to contamination, the contamination is not attributable to the site (3).

- The surface water migration pathway does not appear to be of concern. West Carbonera Creek, the nearest surface water body to the J & E Machine site, is a tributary to Carbonera Creek, which flows into the San Lorenzo River. Although the City of Santa Cruz has surface water intakes on the San Lorenzo River, these intakes are upstream of the confluence of the San Lorenzo River and Carbonera Creek. (1,12) The site is bermed on the side bordering West Carbonera Creek (7).
- The air migration and soil exposure pathways do not appear to be of concern because the site is completely paved or covered with buildings, and there are no schools, residences, or daycare centers on site (7).

# REMEDIAL SITE ASSESSMENT DECISION - EPA REGION IX

Site Name: J+E machine EPA ID#: CAD 041473216

Alias Site Names: \_\_\_\_\_

City: Scotts Valley County or Parish: Santa Cruz State: CA

Refer to Report Dated: 5/9/94 Report type: Site Inspection Prioritization

Report developed by: Bechtel Environmental, Inc.

## DECISION:

☒ 1. Further Remedial Site Assessment under CERCLA (Superfund) is not required because:

☒ 1a. Site does not qualify for further remedial site assessment under CERCLA (Site Evaluation Accomplished - SEA)

☐ 1b. Site may qualify for further action, but is deferred to:

☐ RCRA  
☐ NRC

☐ 2. Further Assessment Needed Under CERCLA:

2a. (optional) Priority: ☐ Higher ☐ Lower

2b. Activity Type: ☐ PA ☐ ESI  
☐ SI ☐ HRS evaluation

☐ Other: \_\_\_\_\_

## DISCUSSION/RATIONALE:

Report Reviewed,  
Approved, and Site  
Decision Made by:

C. Temple

Signature:

Celeste Temple

Date:

6/15/94

## **APPENDIX A**

### **REFERENCE LIST**

#### **Site: J & E Machine**

1. U.S. Geological Survey, Felton Quadrangle, California, 7.5-Minute Series (topographic), 1955, Photorevised 1980.
2. U.S. Environmental Protection Agency, Comprehensive Environmental Response, Compensation, and Liability Information System, April 5, 1994.
3. Lichens, Chris, Ecology and Environment, Inc., CERCLA Site Inspection, J & E Machine, September 12, 1985.
4. Larsen, Kenyon A., Ecology and Environment, Inc., Screening Site Inspection Reassessment, J & E Machine, September 14, 1989.
5. Pitts, Ernest, J & E Machine, Letter (with enclosures) to Jeff Rosenbloom, U.S. Environmental Protection Agency, Region IX, November 25, 1985.
6. Pitts, Ernest, Nu-matic, Letter to Harry Seraydarian, U.S. Environmental Protection Agency, Region IX, February 5, 1986.
7. McAdams, Heather L., Bechtel Environmental, Inc., Site Reconnaissance Interview and Observations Report, February 16, 1994.
8. Pitts, Ernie, Ashland Machine, Discussion recorded on Contact Log, February 10, 1994.
9. Peters, Tom, Engineering Sciences, Inc., Discussion recorded on Contact Log, February 11, 1994.
10. Williamson, John, Engineering Sciences, Inc., Discussion recorded on Contact Log, April 25, 1994.
11. California Environmental Protection Agency, Department of Toxic Substances Control, Calsites, List of Active Annual Workplan Sites - FY 1993-94, December 20, 1993.
12. Larsen, Kenyon A., Ecology and Environment, Inc., LSI Prioritization Criteria, J & E Machine, June 29, 1990.



## APPENDIX B

### CONTACT LOG

Site: J & E Machine

EPA ID: CAD 041473216

Name	Affiliation	Phone	Date	Information
Jon P. Sansing	Scotts Valley Water District	(408) 438-2363	2/8/94	See Contact Report.
John L. Capebianco	San Lorenzo Valley Water District (SLVWD)	(408) 338-2153	2/8/94	See Contact Report.
Harvey Packard	Regional Water Quality Control Board, Region 3 (RWQCB)	(805) 542-4639	2/9/94	Mr. Packard said the RWQCB did not have a file on J & E Machine.
Ernie Pitts	Ashland Machine	(408) 438-3232	2/10/94	Mr. Pitts said that J & E Machine no longer occupies the site. The site was developed in 1976. Prior to development, the site was used as a dump, and there were several barrels on the property.
John Williamson	Engineering Sciences (ES)	(510) 769-0100	2/11/94	The person I need to speak with is Tom Peters. Mr. Williamson will be in Scotts Valley next week.
Tom Peters	ES	(510) 769-0100	2/11/94	The owner of the property is Investors Management in Scotts Valley. Site currently is leased by State.
Cris Nepomuceno	California Environmental Protection Agency, Department of Toxic Substances Control (DTSC)	(510) 540-3800	2/11/94	Send letter requesting any information on site.
Bill Gillespie	Spring Lakes Mobile Home Park	(408) 438-2407	2/11/94	See Contact Report.
Duane Terrell	Vista Del Lago Mobile Home Park	(408) 438-4840	2/14/94	See Contact Report.

## CONTACT LOG (Cont'd)

Site: J & E Machine

Name	Affiliation	Phone	Date	Information
John Bell	ES	(510) 978-3520	2/14/94	Mr. Bell said that the owner of the site is Investors Management Company in Santa Cruz. The site has been a smog check referee station for 3 years. One employee is on site. The company looks at cars that have failed smog checks and at diesel engine vehicles. No wastes are generated on site. No waste oil or waste cleaning solvents are on site. Repairs are not done on site.
John Williamson	ES	(510) 769-0100	2/14/94	Mr. Williamson will be at the site on Wednesday at 10:30 a.m.
Cris Nepomuceno	DTSC	(510) 540-3800	2/17/94	Ms. Nepomuceno said the only file they have on J & E Machine is a report from federal EPA.
Cathy Grays	County of Santa Cruz, Long Range Planning Department	(408) 454-3141	3/2/94	Ms. Grays said the average number of persons per household in Scotts Valley is 2.58.
Rob Menzies	SLVWD	(408) 338-2153	4/11/94	Other than groundwater wells, the SLVWD gets water from creeks and the Earl Manson Creek spring. This spring is between Felton and Ben Lomond. There are two other springs between Peavine and Foreman creeks, but the flow is extremely minimal.
John Williamson	ES	(510) 769-0100	4/25/94	Mr. Williamson said the shop towels that potentially contain hazardous substances are removed weekly from the site by Mission Uniform.

## APPENDIX C

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## CONTACT REPORT

AGENCY/AFFILIATION: Scotts Valley Water District		CODE: GW
DEPARTMENT:		
ADDRESS: P.O. Box 660006		CITY: Scotts Valley
COUNTY: Santa Cruz	STATE: CA	ZIP: 95067-0006
CONTACT(S) Jon P. Sansing	TITLE General Manager	PHONE (408) 438-2363
BEI PERSON MAKING CONTACT: Heather L. McAdams <sup>HLM</sup> <del>JS</del>		DATE: 2/8/94
SUBJECT: Scotts Valley Water District drinking water system		
SITE NAME: Scotts Valley Middle School		EPA ID: CAD 980893358

## DISCUSSION:

The Scotts Valley Water District has seven wells in a blended system, with no one well contributing greater than 40 percent of the total. Three of the wells are considered to be on standby. One hundred percent of the water in the Scotts Valley Water District system comes from groundwater. The two larger wells in the system are screened in the Lompico aquifer, while the others are screened in the Santa Margarita aquifer. Mr. Sansing said they have problems with groundwater contamination, but they have not closed any wells due to contamination. They have, however, installed GAC filters on some of the wells. The system serves approximately 9,300 people.

CONTACT CONCURRENCE:



DATE: 2-11-94

## CONTACT REPORT

AGENCY/AFFILIATION: San Lorenzo Valley Water District		CODE: GW
DEPARTMENT: Engineering		
ADDRESS: 13060 Highway 9		CITY: Boulder Creek
COUNTY: Santa Cruz	STATE: CA	ZIP: 95006
CONTACT(S) John L. Capebianco	TITLE Technical Services Supervisor	PHONE (408) 338-2153
BEI PERSON MAKING CONTACT: Heather L. McAdams <sup>ham</sup> 13		DATE: 2/8/94
SUBJECT: San Lorenzo Valley Water District drinking water system		
SITE NAME: Scotts Valley Middle School		EPA ID: CAD 980893358

### DISCUSSION:

The San Lorenzo Valley Water District consists of two systems referred to as North and South. Springs located in the Brookdale and Boulder Creek areas supply 100 percent of the North system's water from approximately December to April each year. As the springs diminish, groundwater wells are brought online. By mid-summer all groundwater wells have been brought online and the springs contribute approximately 25 percent of the water to the system. The other 75 percent of the water comes from the groundwater wells. The North system includes eight groundwater wells, one of which is on standby. The population served by this system is approximately 17,500 people. Four of the wells in the North system are screened in the Santa Margarita aquifer. Three wells are screened in the Lompico aquifer. The South system consists of 100 percent groundwater drawn from two wells, which are screened in the Lompico aquifer. This system serves approximately 2,500 people. None of the San Lorenzo Valley Water District wells have been closed due to contamination.

CONTACT CONCURRENCE:

John L. Capebianco

DATE: 2-16-94

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## CONTACT REPORT

AGENCY/AFFILIATION: Spring Lakes Mobile Home Park		CODE: GW
DEPARTMENT:		
ADDRESS: 225 Mount Hermon Rd.		CITY: Scotts Valley
COUNTY: Santa Cruz	STATE: CA	ZIP: 95066
CONTACT(S) Bill Gillespie	TITLE Manager	PHONE (408) 438-2407
BEI PERSON MAKING CONTACT: Heather McAdams <sup>th</sup> <i>HM</i>		DATE: 2/11/94
SUBJECT: Spring Lakes drinking water wells		
SITE NAME: Scotts Valley Middle School J & E Machine		EPA ID: CAD 980893358 CAD 041473216

### DISCUSSION:

The Spring Lakes Mobile Home Park has two active drinking water wells located in the middle of the Valley Garden Golf Course. The park has 223 mobile homes with 315 people served by the drinking water wells. The water supply is 100 percent from groundwater. The Spring Lakes Mobile Home Park has permits from the State of California for these wells. Mr. Gillespie samples these wells twice a month for iron and coliform count. The samples are analyzed at the Sequoia Lab in Redwood City. The wells are monitored for organics and inorganics every 1 year to 3 years. If required, sampling results are available from Mr. Gillespie.

CONTACT CONCURRENCE:

*Bill Gillespie* DATE: 2-17-94

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## CONTACT REPORT

AGENCY/AFFILIATION: Vista Del Lago Mobile Home Park		CODE: GW
DEPARTMENT:		
ADDRESS: 444 Whispering Pines Dr.		CITY: Scotts Valley
COUNTY: Santa Cruz	STATE: CA	ZIP: 95066
CONTACT(S) Duane Terrell	TITLE Resident Manager	PHONE (408) 438-4840
BEI PERSON MAKING CONTACT: Heather McAdams <i>hm</i>		DATE: 2/14/94
SUBJECT: Vista Del Lago Mobile Home Park drinking water sources		
SITE NAME: Scotts Valley Middle School J & E Machine		EPA ID: CAD 980893358 CAD 041473216

### DISCUSSION:

Currently, the Vista Del Lago Mobile Home Park is using San Lorenzo Valley Water District water to supply its residents. The Vista Del Lago Mobile Home Park has two groundwater wells on their property, but at the present time the water level in the wells is too low for use. All of the water used at the Vista Del Lago Mobile Home Park is from groundwater. There are 202 ~~MOBILE HOMES~~ residents in the park. These wells are sampled approximately 1 to 2 times per month and the samples are analyzed by Sequoia Analytical Laboratory. Mr. Terrell said they have never had a problem with contamination.

CONTACT CONCURRENCE: *Duane Terrell*      DATE: *Feb 23 94*

## APPENDIX D

### SITE RECONNAISSANCE INTERVIEW AND OBSERVATIONS REPORT

Bechtel Environmental, Inc.  
P.O. Box 193965  
San Francisco, CA 94119-3965

OBSERVATIONS MADE BY: Heather McAdams and Tom Genolio    DATE: February 16, 1994

FACILITY REPRESENTATIVE(S) and TITLE(S):

John Williamson, Engineering Sciences, Inc., Referee Manager, Region 2

SITE: J & E Machine

EPA ID: CAD 041473216

A site reconnaissance was conducted at the J & E Machine site on February 16, 1994. The weather was partly cloudy and the temperature was approximately 60°F. The Bechtel Environmental, Inc. (BEI) team, Heather McAdams and Tom Genolio, conducted the site reconnaissance with John Williamson at 10:30 a.m. to gather information on the site location and size, site history, processes used, and any hazardous waste generated, treated, stored, or disposed of on site. The BEI team was provided with a packet of information prepared in response to BEI's letter dated February 14, 1994. The reconnaissance included a site tour during which photographs were taken.

#### **The following information was obtained during the site reconnaissance:**

The J & E Machine site is owned by Investors Management Company. The business currently operating on site is owned by Engineering Sciences, Inc. and Inspection Maintenance Corporation. The business has been on site since July 1991 and is a contractor for the State of California. Mr. Williamson has no knowledge of the site prior to 1991.

The site occupies 1 acre in a light industrial and commercial area of Scotts Valley, Calif. The site is bounded by West Carbonera Creek and Highway 17 to the southeast. The other sides are bounded by World Gym, Zanotto's grocery store, a florist, a beauty salon, and various other commercial properties. There are no schools, daycare centers, or residences on or in the immediate vicinity of the site. The site is not fenced and has one building. The site is completely paved and has parking lots on two sides of the building. There is a paved berm along the southeast side of the property adjoining West Carbonera Creek. Raw chemicals are stored in two areas inside the building. The raw chemicals on site include window cleaner, cleaning materials, and carburetor cleaner. There are no wells or underground storage tanks on site. Surface water runoff from the site flows onto Butler Lane.

The facility operates 9 hours each day, Tuesday through Friday, and every other Saturday. One individual works full time at the facility. The site is used to inspect cars that have failed smog checks, have diesel engines, or are from foreign countries. No repairs are performed on site. Carburetor cleaner is used to clean carburetors for inspection. The one hazardous substance source

## **SITE RECONNAISSANCE INTERVIEW AND OBSERVATIONS REPORT (Cont'd)**

**Site: J & E Machine**

on site is a barrel approximately 10 gallons in size containing shop towels stained with waste oil, waste carburetor cleaner, and grease.

The fire department has conducted inspections of the smog check referee station and has recorded no hazardous waste violations.



## TRANSMITTAL LIST for SITE INSPECTION PRIORITIZATION

Site: J & E Machine

CAD 04.473216

Ernest Pitts  
Ashland Machine  
621 Grace Way  
Scotts Valley, CA 95066

John Williamson  
Engineering Sciences, Inc.  
1301 Marina Village Parkway, Suite 200  
Alameda, CA 94501

Harvey Packard  
California Environmental Protection Agency  
Regional Water Quality Control Board, Region 3  
81 Higuera St., Suite 200  
San Luis Obispo, CA 93401-5427

Cris Nepomuceno  
California Environmental Protection Agency  
Department of Toxic Substances Control, Region 2  
700 Heinz Ave.  
Berkeley, CA 94710